

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	184	(differentiat\$3 derivative) and (central osa) and (obstructive osa) and (sdb (disordered adj breathing))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 18:00
L2	118	1 not (differentiat\$3 adj between)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 18:03
S1	6	"531476".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 11:39
S2	1	("6641542").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 12:24
S3	31	("5335657"   "5540731"   "5540733"   "5591216"   "5765563"   "5876353"   "5958902"   "6064910"   "6091973"   "6126611"   "6480733").PN. OR ("6641542").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 12:24
S4	1	("6752151").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 12:25
S5	29	("20020193697"   "20040088027"   "4289142"   "5117824"   "5146918"   "5174287"   "5199424"   "5215082"   "5245995"   "5335657"   "5353788"   "5540733"   "5549655"   "5551419"   "5630834"   "5645053"   "5814087"   "5987352"   "6047203"   "6070101"   "6126611"   "6132384"   "6251126"   "6269269"   "6398739"   "6415183"   "6480742"   "6641542"   "6651652").PN. OR ("7025730").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 12:26
S6	15	("4827935"   "5245995"   "5303702"   "5974340"   "6076015"   "6415183"   "6589188"   "6600949"   "6641542").PN. OR ("6830548").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 12:28
S7	41	S5 or S6	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 12:29

S8	40	("1410761"   "2711729"   "4506666"   "4570631"   "4765340"   "4830008").PN. OR ("5146918").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:11
S9	17	S8 and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:11
S10	519	((central csa) same (obstruct\$3 osa)) and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:48
S11	439	((central csa) with (obstruct\$3 osa)) and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:49
S12	144	((central csa) same (obstruct\$3 osa) same (differentiat\$3 distinguish \$3 identif\$7)) and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:49
S13	96	((central csa) with (obstruct\$3 osa) with (differentiat\$3 distinguish \$3 identif\$7)) and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 14:50
S14	4	((("6029665") or ("5704345") or ("6138675") or ("6363933")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 15:16
S15	1	("4777962").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 15:19
S16	0	"System and Method for Discrimination of Central and Obstructive Disordered Breathing Events".ti.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 15:19
S17	1	("5803066").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 18:19
S18	50	((central csa) with (obstruct\$3 osa) with classif\$7) and cpap	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 18:20
S19	6	"272494".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 18:44
S20	91	(expirat\$3 adj time) and (csa central) and (osa obstruct\$3) and apnea	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 18:51
S21	28	((central csa) same (obstruct\$3 osa) same (differentiat\$3 distinguish \$3 identif\$7 classif\$7)) and (expirat\$3 adj time)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 18:52

S22	3	((central csa) same (obstruct\$3 osa) same (differentiat\$3 distinguish \$3 identif\$7 classif\$7)) and (ie adj ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 19:15
S23	13930	((inspirat\$3 with expirat \$3) ie) with ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 15:06
S24	3228	((inspirat\$3 near3 expirat \$3) ie) near3 ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 15:06
S25	127	S24 and apnea	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 15:07
S26	54	S25 and (central csa) and (obstruct\$3 osa)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 15:10
S27	69	(inspirat\$3 near3 curve) and (central csa) and (obstruct\$3 osa) and apnea	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 15:22
S28	36	(second adj derivative) and (central csa) and (obstruct\$3 osa) and apnea	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 16:19
S29	38	(US-20020043264-\$ or US-20030045806-\$ or US-20040221847-\$ or US-20050115561-\$ or US-20060037614-\$ or US-20060037615-\$ or US-20070032733-\$ or US-20070084464-\$ or US-20070227539-\$ or US-20080009755-\$ or US-20080058665-\$).did. or (US-4777962-\$ or US-5146918-\$ or US-5174287-\$ or US-5199424-\$ or US-5245995-\$ or US-5458137-\$ or US-5540731-\$ or US-5540733-\$ or US-5551419-\$ or US-5645053-\$ or US-5645054-\$ or US-5704345-\$ or US-5803066-\$ or US-6029665-\$ or US-6085747-\$ or US-6398739-\$ or US-6651652-\$ or US-6675797-\$ or US-6739335-\$ or US-6752151-\$ or US-6761168-\$ or US-6814073-\$ or US-6814074-\$ or US-6830548-\$ or US-6840907-\$ or US-7315759-\$).did. or (US-7371220-\$).did.	US-PGPUB; USPAT	OR	ON	2008/05/17 17:06
S30	5	spectral and S29	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 17:06

S31	10	gradient and S29	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 17:08
S32	18	(gradient slope) and S29	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/17 17:08
S33	1	("5335654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/17 17:42
S34	302	(gradient slope) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 18:47
S35	152	((gradient slope) with (flow pressure curve)) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 18:48
S36	95	((gradient slope) with (signal curve)) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 18:57
S37	241	(maxim\$2 same minim\$2) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:14
S38	23	(maxim\$2 same minim\$2 same amplitude same frequency) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:15
S39	5	(snor\$3 with amplitude) and spectral and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:32
S40	222	(modulus elastic\$3) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:41
S41	29	((modulus elastic\$3) same upper) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:41
S42	5	(pcrit) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:42
S43	19	(critical with collapse with pressure) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:43

S44	2	((coefficient index modulus) with elastic\$3) same upper) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:51
S45	7	((coefficient index modulus) with elastic\$3) ) and ((central csa) same (obstruct\$3 osa) same apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:51
S46	44	((coefficient index modulus) with elastic\$3) ) and ( apnea)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:52
S47	12	((coefficient index modulus) with elastic\$3) ) and 600/529-543.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/18 19:55
S48	1	("6530372").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/18 20:06
S49	128	((central csa) with (obstruct\$3 osa) with (differentiat\$3 distinguish \$3 identif\$7 classif\$7)) and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 18:03
S50	90	S49 and (differentiat\$3 slope)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 18:03
S51	63	((central csa) with (obstruct\$3 osa) with (differentiat\$3 distinguish \$3 identif\$7 classif\$7)) same (differentiat\$3 slope)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 18:04
S52	68	((central csa) with (obstruct\$3 osa) with (differentiat\$3 distinguish \$3 identif\$7 classif\$7)) same (differentiat\$3 derive derivative slope)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 18:04
S53	1	("5704345").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 14:15
S54	109	("5107831").PN. OR ("5704345").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 14:16

S55	16	(US-20060135878-\$ or US-20040138576-\$ or US-20020124848-\$ or US-20020095076-\$).did. or (US-7004908-\$ or US-6375623-\$ or US-6306088-\$ or US-6165133-\$ or US-6155985-\$ or US-6142950-\$ or US-6120441-\$ or US-6015388-\$ or US-5810741-\$ or US-5803066-\$ or US-5385144-\$ or US-5299118-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/01/16 14:56
S56	6	((("4,777,962,") or ("4,648,407") or ("6,856,829") or ("6,760,608") or ("6,839,581") or ("5,704,345"))).PN. or ((2004/0230105) or (2002/0002327)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 14:58
S57	8	((("4777962") or ("4648407") or ("20040230105") or ("6856829") or ("6760608") or ("6839581") or ("20020002327") or ("5704345"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 14:58
S58	1	2006/082589	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 14:58
S59	49	"082589"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 14:58
S60	2	"06082589"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 14:59
S61	1	2006/082589	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 15:00
S62	0	2006wo-il00148.ap,prai.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 15:04
S63	0	2006ep-0082589.ap,prai.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 15:06

S64	7	"883471".ap.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2009/01/16 15:09
S65	9	((("4777962") or ("4648407") or ("20040230105") or ("6856829") or ("6760608") or ("6839581") or ("20020002327") or ("5704345") or ("20080269583"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 15:09
S66	18	(S55 S65) and (differentiat \$3 derive derivative slope)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 15:09
S67	87	diaphragm\$3 near (electromyogram emg)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 18:27
S68	56	S67 and apnea	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 18:27
S69	30	S68 and slope	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 18:27
S70	15	S69 and (cpap peep)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 18:28
S71	26	S68 not S69	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 18:32
S72	33	("4258718"   "4267845"   "4269195"   "4373534"   "4648407"   "4686999"). PN. OR ("4777962"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 18:39
S73	14	S72 and (peep cpap)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 18:40
S74	16	("4803997"   "5069222"   "5190048"   "5251636"   "5513646"   "5535739"   "5540733"   "5546952"). PN. OR ("6165133"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 18:54
S75	118	(nasal adj cannula) and hypopnea	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 19:22
S76	115	(nasal adj cannula) and hypopnea and apnea	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 19:22
S77	46	S76 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 19:22
S78	1	("5335654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 19:46
S79	199593	(differentiat\$3 derivative) and (central obstructive csa osa sdb (disordered adj breathing))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 17:58

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